

**OCCUPATIONAL SAFETY  
AND HEALTH STANDARDS BOARD**

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**NOTICE OF PROPOSED MODIFICATION TO****CALIFORNIA CODE OF REGULATIONS**

**TITLE 8: Chapter 4, Subchapter 7, Article 98, Section 5004, and Article 101, Section 5047 of  
the General Industry Safety Orders and Subchapter 18, Article 6, Section 8379  
of the Ship Building, Ship Repairing and Ship Breaking Safety Orders**

**Use of Personnel Suspended Platforms from Crane or Derrick**

Pursuant to Government Code Section 11346.8(c), the Occupational Safety and Health Standards Board (Standards Board) gives notice of the opportunity to submit written comments on the above-named standards in which modifications are being considered as a result of public comments and/or Board staff consideration.

On October 19, 2006, the Standards Board held a Public Hearing to consider revisions to Title 8, Sections 5004 and 5047 of the General Industry Safety Orders and Section 8379 of the Ship Building, Ship Repairing and Ship Breaking Safety Orders. The Standards Board received comments on the proposed revisions. The standards have been modified as a result of these comments and Board consideration.

A copy of the full text of the standards with the modifications clearly indicated, are attached for your information. In addition, a summary of all comments regarding the original proposal and staff responses is included.

Any written comments on these modifications must be received by 5:00 p.m. on February 20, 2007, at the Occupational Safety and Health Standards Board, 2520 Venture Oaks Way, Suite 350, Sacramento, California 95833. The standards will be scheduled for adoption at a future business meeting of the Standards Board.

The Standards Board's rulemaking files on the proposed action are open to public inspection Monday through Friday, from 8:00 a.m. to 4:30 p.m., at the Standards Board's office at 2520 Venture Oaks Way, Suite 350, Sacramento, California 95833.

Inquiries concerning the proposed changes may be directed to Keith Umemoto, Executive Officer at (916) 274-5721.

**OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD**

Date: January 31, 2007

Keith Umemoto, Executive Officer

**PROPOSED MODIFICATIONS**  
(Modifications are indicated in bold,  
double underline wording for new language,  
and bold, strikeout for deleted language.)

**STANDARDS PRESENTATION  
TO  
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

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PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 5004(d) to read as follows:

**§5004. Crane or Derrick Suspended Personnel Platforms.**

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(d) Operational Criteria.

(1) Hoisting of the personnel platform shall be performed in a slow, controlled, cautious manner with no sudden movements of the crane or derrick, or the platform.

(2) Load lines shall be capable of supporting, without failure, at least seven times the maximum intended load, except that where rotation resistant rope is used, the lines shall be capable of supporting without failure, at least ten times the maximum intended load. The required design factor is achieved by taking the current safety factor of 3.5 [require under section 4884(b) of these Orders] and applying the 50 percent derating of the crane capacity which is required by section 5004(d)(5) of these Orders.

(3) Load and boom hoist drum brakes, swing brakes, and locking devices such as pawls or dogs shall be engaged when the occupied personnel platform is in a stationary working position.

(4) The crane shall be uniformly level and located on firm footing. Cranes equipped with outriggers shall have them all fully deployed following manufacturer's specifications, insofar as applicable, when hoisting employees.

(5) The total weight of the loaded personnel platform and related rigging shall not exceed 50 percent of the rated capacity for the radius and configuration of the crane or derrick.

(6) The use of machines having live booms (booms in which lowering is controlled by a brake without aid from other devices which slow the lowering speeds) is prohibited.

(7) Only wire rope or steel chain slings and pendants shall be used for suspending personnel platforms.

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

**STANDARDS PRESENTATION  
TO  
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PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 5047(a) to read:

§5047. Natural and Synthetic Fiber Rope Slings.

(a) Sling Use.

(1) Fiber rope slings made from conventional three strand construction fiber rope shall not be used with loads in excess of the rated capacities prescribed in Tables S-18 through S-21.

(2) Fiber rope slings shall have a diameter of curvature meeting at least the minimums specified in Figures S-4 and S-5.

(3) Slings not included in these Orders shall be used only in accordance with the manufacturer's recommendations.

(4) Natural and synthetic fiber rope slings shall not be used for suspending personnel platforms.

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NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

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PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Subchapter 4, Construction Safety Orders  
Article 30. Roofing Operations and Equipment

Amend Section 8379(e) to read as follows:

§8379. Slings and Pendants.

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(e) Wire rope or steel chain slings and ~~wire rope~~ pendants shall be used when lifting personnel ~~in~~ personnel platforms or handling plates or material on and off boats under construction. Lumber, lumber products, small bundles of pipe, and materials subject to damage by wire rope shall be handled by means of fiber rope.

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NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

## **SUMMARY AND RESPONSE TO COMMENTS**

## **SUMMARY AND RESPONSE TO ORAL AND WRITTEN COMMENTS:**

### **I. Written Comments**

There were no written comments received.

### **II. Oral Comments**

Oral comments received at the October 19, 2006 Public Hearing in Oakland, California.

Mr. Brad Closson, Chairman, representing American Society of Mechanical Engineers (ASME) B30.3 Committee.

#### **Comment:**

Mr. Closson expressed support for the proposed amendments and stated that synthetics are not appropriate for personnel suspended platforms. He believes synthetics tend to create a hazard for workers. Mr. Closson stated that the ASME B30.3 committee members believe that the use of synthetics or any material that is not steel in personnel lifting must be prohibited.

#### **Response:**

The Board acknowledges and agrees with Mr. Closson's statement regarding the use of synthetic materials. The Board thanks Mr. Closson and the ASME B30.3 Committee for their support in the rulemaking process.

Dr. Jonathan Frisch, Occupational Safety and Health Board Member.

#### **Comment:**

Board member Frisch asked Board staff if there was any reason why the use of chains is not addressed by the proposed language.

#### **Response:**

The Board staff acknowledges that the ASME B30.23-1998 standard only prohibits the use of synthetics and does not preclude the use of steel, metallic chain as a suspension means. Therefore, the proposal will be modified to allow the use of steel chain for slings and pendants.